



811 Main St. Suite 3400 Houston, TX 77002 P: (832) 519.2200 F: (832) 519.2250 www.Crestwoodlp.com

October 30, 2019

United States Environmental Protection Agency, Region 8, Air Program Office of Enforcement, Compliance and Environmental Justice Air Toxics and Technical Enforcement Program, 8ENF-AT 1595 Wynkoop Street Denver, Colorado 80202

Re: NSPS OOOOa Annual Report – Collection of Fugitive Emission Components at a Well Site Arrow Central Salt Water Disposal Well and State of North Dakota #16 Salt Water Disposal

Well

Arrow Water, LLC

Dear Sir or Madam.

Arrow Water, LLC a subsidiary of Crestwood Midstream Partners LP, is submitting the New Source Performance Standard (NSPS) Subpart OOOOa Annual Report for the period of August 3, 2018 to August 1, 2019. This report includes information on the collection of fugitive emission components located at a well site in order to comply with 40 CFR §60.5420a (b)(1) and (7).

Subpart OOOOa applies to owners and operators of affected facilities where construction, modification or reconstruction commenced after September 18, 2015. Arrow Water, LLC constructed a new well at the Arrow Central Salt Water Disposal site ("the Site") on May 7, 2018 as stated in a startup notification dated May 9, 2018. Per §60.5365a(i)(3)(i), the new well is considered a modification to the existing site; therefore, the collection of fugitive emission components at the Site are considered an affected facility and are applicable to reporting requirements described in §60.5420a.

Per §60.5430a; applicable fugitive emissions components monitored at this site included valves, connectors, pressure relief devices, open-ended lines, flanges, instruments, and meters. Emissions originating from thief hatches at this site are not considered fugitive emission sources as these vessels are not controlled, and are not subject to NSPS OOOO/OOOO as these do not have the potential to emit 6 tpy VOC emissions. Arrow Water, LLC does not operate any gas wells, centrifugal or reciprocating compressors or pneumatic pumps or controllers that would be considered affected facilities.

Connections for America's Energy Fugitive emissions components were observed at this site using OGI monitoring as described in §60. 5397a(a). A complete report of components for which fugitive emissions were detected is attached for your review.

If you have any questions or require additional information, please contact me at (713) 380-3243.

Regards,



Mitch Lagerstrom Air Quality Specialist, Arrow Water

Cc: North Dakota Department of Environmental Quality

Curt Van Hoorn, Arrow Dean Volesky, Arrow

Attachments



OMB No. 2060-0336, Approval Expires 05/31/2019

Federal Operating Permit Program (40 CFR Part 71) CERTIFICATION OF TRUTH, ACCURACY, AND COMPLETENESS (CTAC)

This form must be completed, signed by the "Responsible Official" designated for the facility or emission unit, and sent with each submission of documents (i.e., application forms, updates to applications, reports, or any information required by a part 71 permit).

	President, Arrow Ope		Curt			(MI)
	10702 Highway 73					
City Keene		State	ND	ZIP	58847	
Telephone (701)	675 Ext.	8602	Facsir	nile (_)	
responsible official) I certify under penal	ty of law, based on inf nts and information co	ormation	and bel	ief forr	ned after	reasonable

INSTRUCTIONS FOR CTAC CERTIFICATION OF TRUTH, ACURACY, and COMPLETENESS

Information Collection Burden Estimates

The public reporting and recordkeeping burden for this collection of information is estimated to average 247 hours per respondent per year. Send comments on the Agency's need for this information, the accuracy of the provided burden estimates, and any suggested methods for minimizing respondent burden, including through the use of automated collection techniques to the Director, Collection Strategies Division, U.S. Environmental Protection Agency (2822T), 1200 Pennsylvania Ave., NW, Washington, D.C. 20460. Include the OMB control number in any correspondence. Do not send the completed form to this address.

DETAILED INSTRUCTIONS

This form is for the responsible official to certify that submitted documents (i.e., permit applications, updates to application, reports, and any other information required to be submitted as a condition of a permit) are true, accurate, and complete.

This form should be completed and submitted with each set of documents sent to the permitting authority. It may be used at time of initial application, at each step of a phased application submittal, for application updates, as well as to accompany routine submittals required as a term or condition of a permit.

Section A - Title V permit applications must be signed by a responsible official. The definition of responsible official can be found at 40 CFR 70.2.

Section B - The responsible official must sign and date the certification of truth, accuracy and completeness. This should be done after all application forms are complete and the responsible official has reviewed the information. Normally this would be the last form completed before the package of forms is mailed to the permitting authority.

40 CFR Part 60, Subpart 0000a Standards of Performance for Crude Oil and Natural Gas Facilities for which Construction, Modification or Reconstruction Commenced After September 18, 2015-660, 5420a Annual Report Spreachber Template

Instructions for Spreadsheet Template

Purpose

This spreadsheet template was designed by the U.S. EPA to facilitate annual reporting for Oil and Gas Facilities under 40 CFR part 60, subport 0,000e. CEORI is accessed through the EPA's Central Data Exchange (https://talk.eps.gov)

Electronic reporting

Electronic submission of annual reports through the EPA's Compliance and Emissions Data Reporting (CEDA) is required under \$60.5420e(b)

The CEDRI spreadsheef template upload feature allows you to submit data in a single report for a single facility or multiple facilities, as well as multiple sites, using this EPA provided Escel workbook.

Data for the site(a) must be entered into the worksheet albelied "Site information" in this Sicel workbook. Each row in the "Site information" worksheet includes the data for a single site. The Site
Record No. will be used to must the information on each told to the appendicte site.

IMPORTANT: For each site/facility record found in the "Site information" worksheet, you may reference a single file attachment that includes all information for each citation found in the workbook or provide individual file names for each individual citation record. In the examples provided in the workbook, we provide both as an example.

The spreadsheet must be uploaded into CEDRI as a single ZIP file, which must include this Excel workbook and any related attachments that were referenced in any of the worksheets found in the workbook (e.g., the Certification file found in the "Site Information" worksheet).

Note: If you are uploading file attachments for your report, the uploaded files may be in any format (e.g., zip, docx, PDF). If you would like to include an Excel file(s) as an attachment, you must first sip the excel file(s) into a separate ZIP file to the moster ZIP file that will be uploaded into CEDRs.

Once all data have been entered in the worksheet, combine this Excel workbook and all attachment files (including any ZIP file containing separate excel file(s), if applicable) into a single ZIP file for upload to CEDRI.

Please ensure your report includes all of the required data elements found in the listed citations below for this spreadsheet upload submission.

Do not submit confidential business information (CBI) to EPA via CEDRI. If you are required to submit a report in CEDRI, you must submit the report via CEDRI with the CBI omitted and mail a complete report, including any information claimed to be CBI, to EPA on a compact disc, flash drive, or other commonly used electronic storage media via U.S. postal service. You must mark the outside of the digital storage media as CBI and then identify electronically within the digital storage media the specific information that is claimed as CBI. Mail the media to the address in the referencing federal regulation. If no address is specified, mail the media to:

U.S. EPA/OAQPS/CORE CBI Office Attention: Group Leader, Measurement Policy Group MD C404-02 4930 Old Page Rd Durham, North Carolina 27703



You must submit annual reports containing the information specified in paragraphs (b)(1) through (8) and (12) of this section. You must submit annual reports following the procedure specified in paragraph (b)(11) of this section.

§60.5420a What are my notification, reporting, and recordkeeping requirements?

(b) Reporting requirements. You must submit annual reports containing the information specified in paragraphs (b)(1) through (8) and (1.2) of this section and performance test reports as specified in paragraph (b)(13) of this section. You must submit annual reports following the procedure specified in paragraph (b)(11) of this section. The initial annual report is due no later than 90 days after the end of the initial compliance period as determined according to \$60.5430s. Subsequent annual reports are due no later than same date each year as the initial annual report. If you own or operate more than one affected facility, you may submit one report for multiple affected facilities provided the report contains all of the information required as specified in paragraphs (b)(1) through (8) of this section, except as provided in paragraph (b)(13) of this section. Annual report are included. You may arrange with the Administrator a common schedule on which reports required by this part may be submitted as long as the schedule does not extend the reporting period.

- (1) The general information specified in paragraphs (b)(1)(i) through (iv) of this section for all reports.
- (i) The company name, facility site name associated with the affected facility, US Well ID or US Well ID associated with the affected facility, if applicable, and address of the affected facility. If an address is not available for the site, include a description of the site location and provide the latitude and longitude coordinates of the site in decimal degrees to an accuracy and precision of five (5) decimals of a degree using the North American Datum of 1983.
- (ii) An identification of each affected facility being included in the annual report.
- (iii) Beginning and ending dates of the reporting period.
- (iv) A certification by a certifying official of truth, accuracy, and completeness. This certification shall state that, based on information and belief formed after reasonable inquiry, the statements and information in the document are true, accurate, and complete.
- (2) For each well affected facility, the information in paragraphs (b)(2)(i) through (iii) of this section.
- (i) Records of each well completion operation as specified in paragraphs (c)(1)(i) through (iv) and (vi) of this section, if applicable, for each well affected facility conducted during the reporting period. In lieu of submitting the records specified in paragraph (c)(1)(i) through (iv) of this section, the owner or operator may submit a list of the well completions with hydraulic fracturing completed during the reporting period and the records required by paragraph (c)(1)(v) of this section for each well completion.
- (ii) Records of deviations specified in paragraph (c)(1)(ii) of this section that occurred during the reporting period.
- (iii) Records specified in paragraph (c)(1)(vii) of this section, if applicable, that support a determination under 60.5432a that the well affected facility is a low pressure well as defined in 60.5430a.
- (3) For each centrifugal compressor affected facility, the information specified in paragraphs (b)(3)(i) through (iv) of this section.
- (i) An identification of each centrifugal compressor using a wet seal system constructed, modified or reconstructed during the reporting period.
- (ii) Records of deviations specified in paragraph (c)(2) of this section that occurred during the reporting period.
- (iii) If required to comply with §60.5380a(a)(2), the records specified in paragraphs (c)(6) through (11) of this section.
- (iv) if complying with §60.5380a(a)(1) with a control device tested under §60.5413a(d) which meets the criteria in §60.5413a(d)(11) and §60.5413a(e), records specified in paragraph (c)(2)(ii) through (c)(2)(vii) of this section for each centrifugal compressor using a wet seal system constructed, modified or reconstructed during the reporting period.
- (4) For each reciprocating compressor affected facility, the information specified in paragraphs (b)(4)(i) and (ii) of this section
- (i) The cumulative number of hours of operation or the number of months since initial startup or since the previous reciprocating compressor rod packing replacement, whichever is later. Alternatively, a statement that emissions from the rod packing are being routed to a process through a closed vent system under negative pressure.
- (ii) Records of deviations specified in paragraph (c)(3)(iii) of this section that occurred during the reporting period.
- (5) For each pneumatic controller affected facility, the information specified in paragraphs (b)(5)(i) through (iii) of this section.
- (f) An identification of each pneumatic controller constructed, modified or reconstructed during the reporting period, including the identification information specified in §60.5390a(b)(2) or (c)(2).
- (ii) If applicable, documentation that the use of pneumatic controller affected facilities with a natural gas bleed rate greater than 6 standard cubic feet per hour are required and the reasons why.
- (iii) Records of deviations specified in paragraph (c)(4)(v) of this section that occurred during the reporting period.

- (5) For each storage vessel affected facility, the information in paragraphs (b)(6)(i) through (vii) of this section.
- (i) An identification, including the location, of each storage vessel affected facility for which construction, modification or reconstruction commenced during the reporting period. The location of the storage vessel shall be in latitude and longitude coordinates in decimal degrees to an accuracy and precision of five (5) decimals of a degree using the North American Datum of 1983.
- (ii) Documentation of the VOC emission rate determination according to \$60,5365a(e) for each storage vessel that became an affected facility during the reporting period or is returned to service during the reporting period.
- (iii) Records of deviations specified in paragraph (c)(5)(iii) of this section that occurred during the reporting period.
- (iv) A statement that you have met the requirements specified in §60,5410a(h)(2) and (3).
- (v) You must identify each storage vessel affected facility that is removed from service during the reporting period as specified in §60,5395a(c)(1)(ii), including the date the storage vessel affected facility was removed from service.
- (vi) You must identify each storage vessel affected facility returned to service during the reporting period as specified in §60,5395a(c)(3), including the date the storage vessel affected facility was returned to service
- (vii) If complying with \$60.5395a(a)(2) with a control device tested under \$60.5413a(d) which meets the criteria in \$60.5413a(d)(11) and \$60,5413a(e), records specified in paragraphs (c)(5)(v))(A) through (F) of this section for each storage vessel constructed, modified, reconstructed or returned to service during the reporting period.
- (7) For the collection of fugitive emissions components at each well site and the collection of fugitive emissions components at each compressor station within the company-defined area, the records of each monitoring survey including the information specified in paragraphs (b)(7)(i) through (xii) of this section. For the collection of fugitive emissions components at a compressor station, if a monitoring survey is walved under \$60.5397a(g)(5), you must include in your annual report the fact that a monitoring survey was walved and the calendar months that make up the quarterly monitoring period for which the monitoring survey was walved.
- (i) Date of the survey.
- (ii) Beginning and end time of the survey.
- (iii) Name of operator(s) performing survey, if the survey is performed by optical gas imaging, you must note the training and experience of the operator.
- (Iv) Ambient temperature, sky conditions, and maximum wind speed at the time of the survey.
- (v) Monitoring Instrument used.
- (vi) Any deviations from the monitoring plan or a statement that there were no deviations from the monitoring plan.
- (vii) Number and type of components for which fugitive emissions were detected.
- (viii) Number and type of fugitive emissions components that were not repaired as required in §60.5397a(h).
- (ix) Number and type of difficult-to-monitor and unsafe-to-monitor fugitive emission components monitored.
- (x) The date of successful repair of the fugitive emissions component.
- (xi) Number and type of fugitive emission components placed on delay of repair and explanation for each delay of repair.
- (aii) Type of instrument used to resurvey a repaired fugitive emissions component that could not be repaired during the initial fugitive emissions finding.
- (8) For each pneumatic pump affected facility, the information specified in paragraphs (b)(8)(i) through (iii) of this section.
- (i) For each pneumatic pump that is constructed, modified or reconstructed during the reporting period, you must provide certification that the pneumatic pump meets one of the conditions described in paragraphs (b)(8)(i)(A), (8) or (C) of this section.
- (A) No control device or process is available on site.
- (8) A control device or process is available on site and the owner or operator has determined in accordance with \$60.5393a(b)(5) that it is technically infeasible to capture and route the emissions to the control device or process.
- (C) Emissions from the pneumatic pump are routed to a control device or process. If the control device is designed to achieve less than 95 percent emissions reduction, specify the percent emissions reductions the control device is designed to achieve.
- (ii) For any pneumatic pump affected facility which has been previously reported as required under paragraph (b)(3)(i) of this section and for which a change in the reported condition has occurred during the reporting period, provide the identification of the pneumatic pump affected facility and the date it was previously reported and a certification that the pneumatic pump meets one of the conditions described in paragraphs (b)(8)(ii)(A), (B) or (C) or (D) of this section.
- (A) A control device has been added to the location and the pneumatic pump now reports according to paragraph (b)(8)(i)(C) of this section.
- (B) A control device has been added to the location and the pneumatic pump affected facility now reports according to paragraph (b)(8)(i)(B) of this section.
- (C) A control device or process has been removed from the location or otherwise is no longer available and the pneumatic pump affected facility now report according to paragraph (b)(8)(i)(A) of this section.
- (0) A control device or process has been removed from the location or is otherwise no longer available and the owner or operator has determined in accordance with §60.5393a(b)(5) through an engineering evaluation that it is technically infeasible to capture and route the emissions to another control device or process.
- (iii) Records of deviations specified in paragraph (c)(16)(ii) of this section that occurred during the reporting period,
- (12) You must submit the certification signed by the qualified professional engineer according to \$60.5411a(d) for each closed vent system routing to a control device or process.
- (11) You must submit reports to the EPA via the CEDRI. (CEDRI can be accessed through the EPA's CDX (https://cdx.epa.gov/l.) You must use the appropriate electronic report in CEDRI for this subpart or an alternate electronic file format consistent with the extensible markup language (XXII) schema listed on the CEDRI Web site (https://wwwJ.epa.gov/trtv/chief/cedri/). If the reporting form specific to this subpart is not available in CEDRI at the time that the report is due, you must submit the report to the Administrator at the appropriate address listed in 560.4. Once the form has been available in CEDRI for at least 90 calendar days, you must begin submitting all subsequent reports via CEDRI. The reports must be submitted by the deadlines specified in this subpart, regardless of the method in which the reports are submitted.

50 CRF Part 60 - Standards of Performance for Crode CB and Natural Sea Facilities for which Comprosition, Modification or Reconstruction Commenced After September 18, 2013 - 60.5426(c) Aroused Report For each affected facility, on sweeter or operator must include the information specified in paragraphs (b)(1)(1) through (b) of this section is all around reports.

				SITE INFORMATION							ALTERNATIVE ADDRESS SHOR	MARION (F NO PHYSICAL ADDR	RESEASON AND PORTER TO	REPORTING	REGRMATION	PE Contification	ADDITION	AL DIFORMATION
Facility Record St. (Final value will patentially precent if a value is not ordered.)	Company Name * [600 T435w(s)(187)	Facility lite filters * (\$40.5425a/bill)	US block til ov 15 med til famoriskel selfs for Adherted Feeling, if opphysion * 1540, M27he/HEXCO	Address of Affice and facility." (Sec. 3420min) 2000	Address J	a,	County*	State Accession	No Code *	Responsible Agency Furthly Cl (Soler Faility Shortfar)	Description of Sire Counties (640.543% description)	Lethale of the Ste planted degree to 5 decirals using the Steff American Debut of 1965 (800 SARtade(1989)	longitude of the Site (Section) degrees to 5 decimals using the North American Datam of 1983 (940-1476-(hg116))	Regioning State of Reporting Revise * (560) 14.70m(R)(1000)	Ending Care of Separating Facility (980-14-74-(902))(98)	Person provide the Se name that contains the certification signed by a qualified professional angioner for each closed user applies routing to a count of device or process." [500.54/Endpt[2]] Playing provide only one like per roused.	Annu men my additional delenation	Sale officers

15275 n.g.; 7 miles NG of the interesting of they 225 and n.g.; 36,12165 may 156.
SMB47 (security) 5-2 miles exist of Worldood Gity or P&1 000, 12345 5 Crestwood Squity Plants Annua Const. of 1969 123-055-90563 St. #10-190900 Section 15, 71509, #Chance

40 CIR Part 60 - Standards of Performance for Crock OII and Natural Gas Excilities for which Communities, Modification or Reconstruction Communication Commu

		\$60.5432e Line Pressure Wells	All Well Completions							Well Affected Fa	scilities Required to Comply o	with \$60,5375e(a) and \$60
Solted States Well Marrian* (\$40.5420+(b)(2)(4))	Records of deviations where nell completion operations with hybracis factoring were not experienced in completions of the requirements where the requirements conceiled in § 60.5.176. * [§60.54704057250] and §40.547046([1][6]]]	Please provide the file name that contains the flexord of Determination and Supporting Injusts and Calvalations (\$60.940/app)(7)(iii) and \$60.5420a(c)(1)(ivii)) Please provide only one file per record.	Well Completion ID * (\$60,5420a(b)(2)(i) and \$60,5420a(c)(3)(i)	Well Location * (960.5420a(b)(2)(i) and 560.5420a(c)(1(iii))(4)(iii)	Date of Onset of Therefore Federating Hydraulic Fracturing or Referancing " (\$00.5420a(b)(2))) and \$60.5420a(b)(3)(iii)(A)-(8))	(940.54704(t)(7)() and	Date of Each Attempt to Direct Rowbach to a Separator (60).54/26(6)(2)(8) and 600.54/20(6)(1)(4)(4)- (90)	Otrect Flowback to a Separator * (\$60:5420a(b)(2)(i) and	of Returning to the feltial Flowback Stage * (\$60.5420a(b)(2)() and \$60.5420a(b)(2)()()	of Returning to the letter filmback Stage * (\$60.5430a(b)(2)() and \$60.5420a(c)(1)(4)(A)-(B))	Date Well Start in and Howback Equipment Permanently Disconnected or the Startup of Production 7 (663.54204(b)(2)(i) and \$60.54204(b)(2)(ii)(A) (8)(ii)	Time Well Shot in and Femiliars Equipment Personnently Disconnected or the Startop of Production * (\$60.5420e(b)(2)(i) and \$60.5420e(b)(2)(ii) (7)(ii)
g 12-145-67890-12	onsite for the first 3 hours of the Bowback	e.g.: kreprossure.pdf or XX2CompressurStation.pdf	e.g.: Completion ABC	e.g.: 54.12545 lannude, -103.12345 languitude	eg:10/16/16	eg:10 am	04310/16/16	mg/10 am	eg;10/16/16	##: 10 a.m.	e-6:30/16/16	egi 10am
	Aharshan * \$40.5420e(b)(13)(4) g/ 12-345-52890-12	Johand States Weit , Johann States Weit , Johann States Weit , Johann States Weit , Johann States Bernstein (1994)	Usited Sates Well Horson of deviations where well completion operations with hybriculic facturing were not humber* 940.5420xb)(2)(9) 92.5420xb)(2)(9) 10.5420xb)(2)(9) and \$40.5420xc)(2)(1)(9) 10.5420xb)(2)(9) and \$40.5420xc)(2)(1)(9) 10.5420xc)(1)(1)(9) 10.5420xc)(1)(1)(9) 10.5420xc)(1)(1)(9) 10.5420xc)(1)(1)(9) 10.5420xc)(1)(1)(9) 10.5420xc)(1)(1)(9) 10.5420xc)(1)(1)(9) 10.5420xc)(1)(1)(9) 10.5420xc)(1)(1)(9) 10.5420xc)(1)(1)(1)(1)(1)(1)(1)(1)(1)(1)(1)(1)(1)	Usited Sates Wild Microsity of deviations where well completion operations and hybraudic instruction of securing operations with hybraudic instruction operations with hybraudic instruction operations on the imperation of securing operations with the representation operation of securing operations of the operation operation operation of the operation operatio	Usited Sates Wid Number 1 Secret of deviations where well completion operations and hybraudic factoring were not number 1 Secret of Secr	Usited States Well Microsoft of deviations where well completion departations with hybride its betwing were not microsoft or generated in completion with the patient with the regiment of the patient of the state o	Date of Oneset of Towards Date of Oneset of Towards	Accorded deviations where well completion of deviations where well completion of the following of the follow	Accorded deviations where well completions of the first footness of the first	According States Well	Accorded States Well According States Well A	According States Wild States W

Duration of Flowback in Hours.* (960.542040)(2)() and 640.5420a(s)(2)((40.64) (B))	Duration of Recovery in House (Not Required for Wells Georgians with \$60.5375a(f)) (\$40.5420a(f)(f) and \$40.5420a(f)(f) (i)	Obsposition of Recovery * (1962-54-2040)(2)()) and 560-54204-(32565)(A)-(B)	Duration of Combustion in Hours * (\$40.5420a(t)(27(i) and \$60.5420a(t)(27(i)41)A)- (81)	Duration of Venting in Hours * (660:5420a(s)(7)(3 and 560:5420a(s)(2)(4)(4)(4)(4)(4)(4)(4)(4)(4)(4)(4)(4)(4)	Reason for Venting in lieu of Capture or Combostion * (\$49.54204(b)(2)() and \$423.4204(c)(3)(64)4-(69)	Well Location * (%50,5420a(s)(2)(i) and 800,5420a(s)(1)(iv.))	Specific Exception Claimed (660,5420a(b)(2)(i) and 560,5420a(c)(1)(iv))	Period the Well Operated	Ending Date for the Period the Well Operated Under the Exception * (860-5420e(b)(3)() and 660-5420e(c)(1)(b))	Why the Well Meets the Claimed Exception 1 (\$40.5400a(b)(7)8) and \$60.5400a(c)(3)(4)	Name of Neseral (asthering Line " (\$65.5420a)(2)(1) and \$60.5420a(c)(1)(iii)(A)-(R))	Location of Nearest Gathering Size * (\$60.5420a(b)(2)() and \$60.5420a(c)(2)(0)(A)-(B)	Technical Considerati Preventing flouting to the (560, 5420a/(5)7364 560, 5420a/(5)7364(A)
4.1	egil	m.g.: Chard as conside fixed.	ng/\$	wg:5	e.g. No cente storage or constantion and was available at the time of completion.	e g.; 34.33385 latitude, -103.37345 longitude	e.g.: Teclosical infrasibility under 60 5375a(a)(3)	#£:3976/2016		e.g.: As further described in this report, included issues presented the use of the gas for useful purposes.	e.g.: ASC Line	e.g.: 100 miles away at 34.12545 latitude, 103.12545 longitude	eg: right al use

	_							es Meeting the Criteria of \$60.						
Capture, Remiection, and Reuse Technologies Comidered * (990,5420a/s)(200) and 660,5420a(c)(1)(600A) (80	Aspects of Gas or Equipment Preventing the of Recovered Gas as a Fun Orable * (\$60.54204(s)(2)(4) and \$60.54204(s)(3)(4)(4)(4)(8)	Technical Considerations Properties Use of Recovered Gas for Other Useful Purpose * (\$60.5420a(c)(2)(4)(A)-(8)) \$60.5420a(c)(2)(4)(A)-(8)	Additional Reasons for Technical Infeatibility * (\$40.5420a(c)(3)(#0)(A)-(#0) \$60.5420a(c)(3)(#0)(A)-(#0)	Well Excation* (\$60.5420a(b)(2)(i) and \$60.5420a(c)(1)(ii)(A) and (C3)	Date of Oract of Howback Following Hydraulic Fracturing or Reforming (960-54204(h))/2(i) and (600-54204(c)(1)(ii)) and (C))	Refracturing * (§60.5420a(b)(2)(i) and	Date Well-Shut in and Flowback Equipment Fermanently Disconnected or the Sasting of Production * (§60.5420a(b)(2)0] and \$40.5420a(c)(1)(iii)(A) and (C)	Time Well Shut in and Flowback Equipment Permanently Disconnected or the Startup of Production (§60.5420a(b)(2)() and §60.5420a(c)(1)(48)A) and (C)	Duration of Flowback in Hours * (\$60.5420a(b)(25(i) and \$60.5420a(c)(2) (ins)(A) and (Ci)	Duration of Combustion in Hours * (#60.5420e(h)(2)(i) and #60.5420e(c)(2)(iii)(A) and (C))	Duration of Venting in Hours * (\$60.5420a(b)(2)(3)(4) (\$60.5420a(c)(2)(9)(A) and (C))	Reason for Venting in less of Capture or Combustion * (960.5420x(b)(20)) and 960.5420x(b)(1(60)(4) and (C))	Dues well stiff most the conditions of \$60.5375e(1)(RHA)? * (\$60.5470e(t)(7)() and (\$60.5470e(t)(7)() and	Wapplicable Date Well Comple Operation Stoppe ((MO-54-20-(h)(2))) §60:5420u(c)(1)(iii))
g: co-cité proérators	e.g.: gas quality	e.g. parquality	e.g. well slamage or clean up	e.g.: 34.12345 latitude, -101.12345 language	*#130/16/16	z.g.: 10 am.	e.g.:10/16/36	*4:10**	eg.5	+415	e415	e.g. No coule storage or combattion sail was available at the time of completion.	n.g.(Yes	ea: 10/16/16

uid Collection System or S	Aperator Oralli			Well Affected Facilities Required to Comply with Both 660.8375a(e)(3) and (5) Using a Digital Photo in Neu of Records Required by 860.5420a(c)(3)(f) through (h)		s Miserling the Critoria of \$60,5375a(g)	cSSG sof of Gas per Stock Tank Serrel of Oil Product
		If applicable: Tener Separator Installed ((640.5420a(b)(2)() and 640.5420a(b)(3)((a)(C)(2))	her them Signals collection at the well star? Based on Information and belief formed after reasonable requiry, the statements and Information is the documents are two, secretar, and conglete. 4 (\$60.5-COu(ht/2))) and \$60.5-4204((31.56)(COLS))	Please provide the file name that creations the Digital Photograph with Date Tales and Latitude and Longitude indeedded for with Value CPS, Mousean Experied Coppings (\$10.5470;(2)) and \$60.5420;(2)(1):) Please provide only one file per record.	Well Location* (660.5470a(s)(2)(i) and 660.5470a(s)(1)(vi)(ii)	Prease provide the file name that contains the Record of Analysis Performed to Claim Well Meets \$60.5375(g), including CON values for Established Leaves and Date Iron Wells in the Same Basin and Reld * (\$0.542040)(29) and \$60.5420(013)(s)(a)] Please provide only one file per occord.	
eg: 10 am.	+ p.: 10/16/16	ng:10am	e go No	e.g.: sompletion).pdf arXYX:ongressorStation.pdf	e.g.: 34.12345 latitude, -101.12345 langitude	e.g.: GORcales pdf or XYZCumpressurStation.pdf	+ g / Yes

-3

40 CFR Part GG - Standards of Performance for Crode Dil and Natural Gas Facilities for which Construction, Modification or Reconstruction Commenced After September 18, 2015 - 60.5-EXD4(h) Annual Report

For the collection of Inglitive emissions components at each well also and the collection of Inglitie emissions components at each emositoring survey including the information specified in paragraphs (b)(7)(0) through (sill) of this section in all ennual reports:

The asterná (*) must to each field indicates that the corresponding field is required.

Facility Record No. (Select from dropdown list and need to small up)	Each Affected			Survey End Time * (\$60.5420a(b)(7)(0))			Sky Conditions During Survey * (§60.5420a(b)(7)(iv))		1840-5420±0-1/20-01	Deviations From Monitoring Plan (If none, state none.) * (\$60.5420u(b)(7)(vii)	Type of Component for which Fugilive Ensistens Detected * (\$40.5420u(h)(7)(vii))	Number of Each Component Type for which Fugilite Emissions Detected * (960.5420a(hi(7)/viii)	Type of Component Not Required as Required in \$60.5397a(h) * (\$60.5420a(b):7)(viii))	Number of Each Component Type Not Repaired as Required in § 90.5797a(h) * (\$40.5430a(h)(7)/viii)	Type of Difficult-to- Monitor Components Monitored * (§60.5420s(b)(7)(bs))
	e.g. Well Site ARC	mg: 8/15/17	e.g.: 10:00 am	ea:100 pre	e.g.: John Smith	e.g: 90%	e.g.: Surery, no clouds	e.g.: 2 mph	e.g.: Company ABC optical gas imaging camera	e g: None	e.g.: Valve	443	eg.: Value		e.g.; Valve
	1 Bosque Ella 1 Bosque Ella	11/14/2011 6/7/2011				42'\$ 79'F			FLIR GF320 Camera FLIR GF320 Camera	None None	N/A N/A		O N/A	0	N/A

								00	Compressor S	tetion Affected Facility Only
Number of Each Difficu- to-Munitor Componer Type Monitored * (640.5420w(h)(7)0v))		Skander of Each Unsafe to Monitor Consponent Type Monitored * (540:5420e(b)(7)(w))	Date of Successful Repair of Fugitive Enrissions Component * (500.54.20a(h)(7)x(3)	Type of Component Placed on Delay of Repair * (560.5420a(b)(7)(x))	Number of Each Component Type Paced on Driey of Repair * (\$60.5430a(b)(7)(40)	Englamation for Selay of Repair * (\$49.54.20a(h)(7)(nl))	Type of instrument Used to femorely Repaired Components Not Repaired During Original Survey * (960-5420w(b)(7)(H))	Training and Experience of Surveyor * (640,5425a(6))(7)(80)	Was a monitoring curvey waived under \$ 60.53974(g)(5)? * (660.54204(s)(7))	If a monitoring survey was waived, the submoler months that make up the quarterly monitoring period for which the monitoring survey was waived, " (\$60.5420a(b)(7))
4/1	eg:like	egil	*4:33/39/38	ng: Valve	44-1	eg.; Umale to repair until next slavidown		e.g. Trained Sermographer; completed 40 hour course 4t 272 Training Center, Has 30 years of experience with OG/ surveys.	eg:Yes	e.g.: January; February, and March
	O N/A		P N/A D N/A	N/A N/A		Ayla N/A	M/A. M/A	Trained Optical Gas imaging Thermographer; completed OGI Trained Optical Gas imaging Thermographer; completed OGI		e through infared Training Center. Has t e through infared Training Center. Has o

40 CFR Part 60 - Standards of Performance for Crude CHI and Natural Gas Facilities for which Construction, Modification or Reconstruction Communiced After September 13, 2015 - 60.542(bulb) Annual Report For each affected SciEty, an owner or operator must include the Information specified in paragraphs (b)(1)(1) through (b) of this section in all annual reports:

a additional Times	t to each field indicates	native rounds would		SITE INFORMATION							ALTERNATIVE ADDRESS INFOR	MATION (IF NO PHYSICAL ADDR	ESS AVAILABLE FOR SITE *)	REPORTING P	NFORMATION	PE Certification	ADDITION	AL INFORMATION
Field value will automatically merate if a value is not entered.)		Facility Site Name * (\$60,5420a@l[15])	Us Well ID or US Well ID Associated with the Affected facility, if applicable. * (\$60.5420a(b)(1)(i)	Address of Affected Facility * (\$40.5420u(b)(1)(0)	Address 2	Chy*	County *	State Abbreviation	Zip Code *	Responsible Agency Facility (D (State Facility Identifies)	Description of Sile Location (4/0.5420a(k)(3)(i))	Latitude of the Sile (decimal degrees to 5 decimals using the North American Datum of 198.8 (460.5420a(s)(1)(i))	Longitude of the Site (declinal degrees to 5 declinals using the North American Datum of 1983) (460.5420e(b)(110))	Beginning Date of Reporting Period.* (§60.54.20a(b)(1)(iii))	Ending Date of	Please provide the file name that contains the certification signed by a quakfied professional engineer for each closed west system routing to a control device or process. (60.5470e(5(12)) Please provide only one file per second.	Please enter any additional information.	Enter associated file name reference.
	6.67 ABC Company	e.g.: XVZ Compressor Station	e.g.: 12-345-67890-12	e.g.: 123 Main Street	e.g.: Suite 100	e.g.: Brooklyn	m.g.: Kings Coun	heg: My	#4:11221		e.g.; 7 miles ME of the intersection of Hey 123 and Hey 456	e.g.: 34.12845	e.g.:-101.12345	e.g.: (II/01/2016	4.K: 06\30\3016	e.g.: Certification.pdf or XYZCompressorStation.pdf		e.g.: andlinfo.zip ar XYZCompressorStatio n.pdf
	Crestwood Equity Part		33-053-90266 33-053-90388	St. #16: SWWW Section			McKencie McKencie	ND NO		Exempt Exempt	0.6 miles North on Co Rte 14 0.6 miles North on Co Rte 15	(b) (9)	8/2/2018				systems required for to systems required for t

40 CRF Park 50 - Standards of Performance for Crude CR and Natural Case Facilities for which Construction, Modification or Reconstruction Communical After September 18, 2015 - 81.5425(6) Account Report For each well affected facility, an owner or aperator must include the internation specified in paragraphs (ACS) of this section in all annual reports.

The actional (*) not	to said field indicates	that the corresponding field is required.											_
			\$65.5632a Low Pressure Work	AB Walf Conspletions							Well Affected to	activities Nanquired to Compily	with \$60.5275a[a] and \$60.
Facility Record Str. (Solect from droughtown for two matter cities of)	United States Well Supplier* page 54254(9)(2)(6)	hesorts of deviations where well completion operations with hydraulic fracturing were not performed in compliance with the requirements.	Please provide the file name that contains the faccoil of Determination and Supporting layers and Contain Stories (1900-1906) and 880-540-542(4)(4) Please provide and our file gar record.	Heell Completion ID * (840:5470:d6)(2)() and 940:5470:d5)(2)()	Well Invadion ** (\$60.5420a(3)(3)(3) and \$60.5420a(2)(4)(4)(4) (80)	Date of Great of Physicack Following Hydrodic Fractioning in Metallic Fractioning in (800:5420a(b)(2)() and 960:5420a(b)(3)(4)(A) (8)	Time of Oracl of Flowback Indianing Hydrocile Fracturing or Refracturing (1901.547Ca(b)(2)0) and 660.542 (b)(3)1 (00(A) (B)	Date of Each Attenue to Direct Florelines to a Separator * (800 5400x00) 25(3 and 460.541701(\$2)00(A)- (80)	Tinte of Each Attempt to Other Unwheek to a Separation 7 (980.54.70s(c)(2)() and 900.54.70s(c)(2)() and 900.54.70s(c)(8)()	Date of Each Chousesiste of festerong to the listin Flowback Reggs* (800.54304(6)(3)() and \$60.54304((1)(4)(4)(4) (8))	Time of Easis Occurrence of Returning to the Initial Howtuck Stage * (\$60.5420a(c)(100)(A)-(B)	Dute Well Shut in and Feedback Equipment. Permanently Dos correction or the Startup of Pendication * (940.545/06/(2)) and (960.545/06/(2)) (89)A-(8)	Town tried Shut to and Rowback Egoperant Personnelly Sourceschel or the Startage of Freduction * (802-5A206/210) and \$60-5A206/-(13)64(A)-(R)
	Mai: 12-045-676W-12		e.g.: lowpremers.pdf or NYZCompressor-Starless.pdf	e.g. Completion ABC	e.g.: 34.32345 laterade, 103.32345 laterade	mg: HV16/14	ng Ware	M& / 80/10/84	ng: Wass	mg: 10/16/14	eg:10em	*g:10/16/19	ng: 10 am

59/5a)(Exceptions U	mder \$60.5375a(a)(3) - Text	seixally indestified to floute to the Gas Flore Line or Co	Nection System, he inject in	to a Well, Use as an Oralle Fuel I	iners, or the for Assilter tha
Duration of Flowback in Moure * (590.542)Mp(25)(9 and 500.54204)(2(3)04)(A)-(B))	Duration of Recovery in House Flots Required for Wells Complying with 560.5.5754(7) (560.54754(7)) 461 560.54204(5)(3)(4)(4))	Disposition of foremery * (\$50,5420x(0)(2)(1) and \$60,3420x((2)(1)(4))(4).	Duration of Combustions in House ((\$60.5430cb)(256) and \$60.5430cc((330c)(A)- (BI))	Charattees of Venting in Houses * (\$600-543040(25)(8 and \$600.54304(2\$200)(A)- (Bil)	Reason for Venting in time of Capture or Combustion ** (960.34/20x(0)(2)() and 800.54/20x(0)(1)(0x(4x)+(10)	Well location * (663.5425a(s)(73)) and 360.5425a(s)(13)(s)	Specific Exception Claimed (\$40.5420a(c)(1046) 560.5420a(c)(1046)	Starting Date for the Period the Vield Operated Lander the Exception * (\$40.5420a(b)(7)() and \$60.5420a(c)(1)(b))	Ending Date for the Ferhol the Well Operated Under the Exception * (666.5420a(s)(3)(9) and \$60.5420a(s)(3)(9))	Why the Well Mann the Calmed Encycline " [860-54304/0[278] and 960-547040([28]46]	Name of Rearest Gethering Line * (\$60.5470a(n)(7)() and \$60.5470a(n)(1)(0)(A) (KI)	(acation of Neurost Garberton (are * (\$46.542bd)(2)() and \$60.542bd;(2)(\$40,4;(8)	Technical Considerations Preventing horizing to the Line (960-54204(0)(2)()) and 460-54204(0)(1)(0)()(4-(0))
44/5	egis	e.g.: Used as counter had	ng/5	4915	e.g. No centre storage or combustion unit was available at the time of completion.	e.g.: 34.12345 latitude, :500.12345 langitude	e.g.: Technical infrastisting under 60:5375e(a)(3)	«g: 10/16/2016	##: 10/18/2016	e.g.: As further described in this report, technical issues prevented the use of the gas for starful purposes.	e.g.: ABC Line	e.g.: 100 miles away at 34.12345 fatitude, 301.12345 forgifiede	n.g. right of use

of Purpose Served by a Purch	med Fool or Rew Materia						Well Affected Facility	es Meeting the Criteria of \$60.5	SETSHOOT (DESKA) - MAT PA	physically Fractures/Ri	efractured with Liquids o	e Do Not Generate Condensate, interme	diele Hydrocerkon Liquids	, or Produced Water (
Cophere, Temperison, and Route Sectioningson. Compilered * (\$40.5425min(2)) and \$40.5425min(3).5426(4).583	Aspects of Gas or Equipment forenting the of femoured Gas as that Oracle * (860-5420-06-27) and 800-5420-06-27(00)/A-(39)	Technical Consideration Protecting Use of Resourced Size for Other Useful Parame * (\$40.54256/C[2]) and \$40.54256/C[2](0(A) (B))	Additional Reviews for Technical Inhusbidity * (\$40.54764(20) and \$60.54764(20)(40)4 (0))	Well Location* [\$60.5478-(1)() and [\$60.5478-(1)()()()(), and [C]	Date of Orset of Fiberbook Following Stylesolic Fractioning or Relativity (866-5470-00(23)) and 840-5470-00(23) and 673	Time of Cination Flowering in Provided Federating or April 2007, Section 19, 1960, 5425-65-620, April 2007, April	Date Well Start to and Finalistic Sysapprent Permanenthy Disconnected or See Startop of Production * (See S4/Date(\$1)) and (\$65.54/Date(\$1))/See and \$53	Time Well Shall in and Blooked Epigenesis Formacing Documecture of the Sharbar of Production * (Sept SACOMECTIO) and (SEC SACOMECTION AND ECC	Direction of Floridack to Stocks ** (\$400 S42No(NCZ)(\$) and \$40.542No(NCZ)(\$100) and SC(\$)	Distriction of Combinations in Research (\$400.5420x40)(\$200.000) \$400.5420x40(\$2000)(\$2 and \$C30	Discretion of Ventilog in Hours, * (\$60.54704(6):17(8 and \$60.54704(6):18(4); and \$(1)	Reason for Vending in less of Capture or Gentlestics* (960-5428-96(20)) and 560-5428-653(96)A) and (K3)	Does used will meet the conditions of \$465.5374(1)(10)(4)?* (\$05.54354(1)(2)(3) and \$465.54354(1)(1)(1)(1),7 }	E applicable State Well Comple Open store Stappe (\$60.54754(\$62)) \$60.54754(\$62) \$60.54754(\$62)
ng-cerain processes	na prosity	r.g. gas quality	n.g. until damage or dear-up	e.g.: \$4.12345 fatitude, -107.17345 langitude	*4-10/16/16	ng: 10 am.	ear 10/15/16	eg:10+m.	16/3	44/3	44.5	e.g. No create storage or constantion unit was available at the time of completion.	ug/Vm	44-10/10/16

uid Collection System or 1	laparatur (halb			Wall Affected Facilities Required to Comply with both 660,5375a(a)(3) and (3) Using a Digital Photo in Seu of Securits Required by \$66.5470a(c)(3)(6) through (in)	Well Affected Facilities Meeting the Criteria of \$60,5575a(g) - c500 of of Gas per Stock Tank Barrel of Oli Produc				
If applicable: Time Well Completion Operation Simpose * (\$60.5420e(s)(2)() and 80.5420e(s)(2)()(0)(0)(2) 2	# applicable: Carte imparator trotalled (1960-5420w(nE/20)4 and 600-5420w(nE/20)23 and 600-5420w(nE/20)23	If applicable: Tree Separator Installed ([500.5420a(b)/2](0] and 600.5420a(s)(1)(ii)(C3(2)	Are these liquids collection at the well site? Based on information and belief formed after reasonable liquids; the statements and information in the decisioner are true, excussion, and complete. * (\$60.5430e(a)(2))) and \$60.5426e(c)(3)00(C)(2)	Please provide the file runs that contains the Eights Photograph with Date Tales and Lettlade and Insights to tale dotted from and Lettlade and Insights to tale dotted file unit Value CPE, Showing Regional Eightpure (SSC.5420e(CDE)) Please provide only sets file per record.	Well location* (560.3420s(b)(.2)() and 560.5420s(c)(3)(v)(B))	Please provide the file name that contains the Record of Analysis (Analysis Network to Clark Wild Meets (Analysis) (Analy	Does the self-ment the requirements of 500.557/s/g/2 Second on Information and Intel® formed after reasonable loquing, the statement and information and information and information in the document are true, accounts, and complete [1560.5470/epi(2)]] and \$40.5470/epi(2)].		
ng Mum	ng: 10/10/16	ng Mare	141 No	e.g.: completions, pdf or XVIICompressorStation.pdf	e.g.: 34.52345 latitude, -205.17345 longitude	e.g.: GOReaks.pdf or W7CompressorStation.pdf	ng-Yes		

40 CIR Part 60 - Standards of Performance for Crose Cit and Return Cas Facilities for misho's Construction, Modification or Reconstruction Construction Construction Construction Construction Construction Construction (Applies and Return Cas Facilities for misho's company defined area, an owner or operator must include the records of each monitoring survey including the information specified in paragraphs (S(7)(E) through (oil) of this section in all annual reports:

The asteriok (*) next to each field indicates that the corresponding field is required.

Facility Record No. * (Select from dropdown list - may swel to sensil up)	Identification of Each Affected Facility * (660.5420a(s)(1))			Survey End Time * (\$60.5420a(b)(7)(43)	Name of Surveyor *	Ambient Temperature During Survey * (\$60.5420a(b)(7)0v))	Survey *	Speed During Survey	Munitoring Instrument Used * (560.5420a(b)(7)(v))	Deviations From Monitoring Plan (If nove, state none.) * (§60.5420+(h)(7)(vij)		Number of Each Component Type for which Fugitive Emissions Detected * (560.5420a(b)(7)(vii))	Type of Component Not Repaired as Required in \$60.597a(h) * (§60.5420a(h)(7)(vii))	Number of Each Component Type Not Repaired as Required in § 60.5.397a(b) * (560.5420a(b)(7)(viii))	Type of Difficult-to- Menitor Components Monitored * (\$60.5420s(b)(7)(x))
	e.g.: Well Ste ABC	*-8: 8/13/17	+g: 10:00 am	ng:1:00 pm	e.g.J.John Smith	e.6.190%	e.g.: Sunny, no clouds	a.g.: 2 mph	e.g.: Company ABC optical gas imaging camera	e.g.: None	e.g.: Valve	44:1			e.g.: Yalve
	Arrow State 16 Arrow State 16	8/23/2018 11/14/2018					Cloudy	18 mph	FLIR GF320 Camera	None None	N/A N/A		O N/A		N/A
	Arrow State 16 Arrow State 16-2	6/7/2019 8/23/2018				73°F	Cloudy Sunny	13 mph	FUR GF 320 Camera	None None	N/A N/A		0 N/A 0 N/A	0	N/A N/A
3	Arrow State 16-2 Arrow State 16-2	11/14/2018	12:17				Cloudy		Les of also desired	None None	Compressions Fitting N/A		1 N/A 0 N/A		N/A

		Number of Each Unsafe to-Monitor Component Type Monitored * (660.5420a(b)(7(n))			thumber of Each Component Type Passed Supplement Type Of Instrument United to Reservery Reparted Components that Repaired Component			09	Compressor Station Affected Facility Ordy		
Number of Each Difficult- to-Maxillar Component Type Monitored * (560.5420a(ki(7)(inl)	Type of Uosale to- Monitor Corponent Monitored * (860-5420s(b)(7)(k))		Date of Successful Repair of Fugitive Emissions Component * (§60.5420u(b)(7)(r))	Type of Component Placed on Delay of Repai * (\$60.5420a(b)(7)(n)))		Was a monitoring survey waised under \$ 60.5397a(g)(\$)? * (\$60.5420a(b)(7))	If a monitoring survey was waived, the calendar munths that make up the quarterly monitoring period for which the monitoring survey was waived. * (560,5420a(b)(7))				
6 1	e.g.:Value	egil	e \$11/10/16	e.g.: Valve		e.g.: Umale to repair until rest shutdown	e.g.: Company ABC optical gas	NYZ Training Center. Has 30 years of experience with Olds surveys.	24-12	v.g.: Jamesry: February; and March	
	N/A		N/A	N/A		N/A	N/A	Trained Optical Gas imaging Thermographer; completed OGI			
	N/A	- (N/A	N/A		N/A	N/A	Trained Optical Gas Imaging Thermographer; completed OGI			
	N/A		N/A	N/A		N/A	N/A	Trained Optical Gas imaging Thermographer; completed DGI	Certification Training course	through Infared Training Center. Has six	months experience with OGI Survey
1	N/A		N/A	NA		N/A	N/A	Trained Optical Gas Imaging Thermographer; completed OGI			
	N/A	(12/14/201	8 N/A		N/A	RJR GF320 Carnera	Trained Optical Gas imaging Thermographer; completed OGI			
	N/A		N/A	NA		N/K	N/A	Trained Optical Gas Imaging Thermographer; completed OGI	Certification Training course	through infared Training Center, Has six	months experience with OGI Survey